

## EAST Search History

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 0    | 382/236,298,275.ccls. and (noise with motion with pixel with absolute with difference).clm.  | USPAT                        | OR               | ON      | 2006/08/09 16:03 |
| L2    | 2    | 382/236,298,275.ccls. and (noise and motion and pixel with absolute with difference).clm.  | USPAT                        | OR               | ON      | 2006/08/09 16:03 |
| L3    | 2    | 382/236,298,275.ccls. and (noise and motion and pixel with absolute with difference).clm.  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/08/09 16:04 |
| L4    | 8    | 382/???.ccls. and (noise and motion and pixel with absolute with difference).clm.  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/08/09 16:05 |
| S2    | 523  | noise same image same video same motion  | USPAT                        | OR               | ON      | 2004/11/10 14:09 |
| S4    | 58   | noise same image same video same motion same (scal\$4 siz\$4)  | USPAT                        | OR               | ON      | 2004/11/10 14:20 |
| S5    | 58   | (noise artifact artefact distort) same image same video same motion same (size or scale)   | USPAT                        | OR               | ON      | 2004/11/10 18:06 |
| S6    | 2    | (noise artifact artefact distort) same image same video same motion same (size or scale)and mosquito   | USPAT                        | OR               | ON      | 2004/11/12 16:42 |
| S8    | 11   | ("5475434"   "5481628"   "5502489"   "5539469"   "5598213"   "5610729"   "5621468"   "5654759"   "5742344"   "5793435"   "5907370").PN.        | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2004/11/12 12:58 |
| S11   | 5    | ("6178205").URPN.  | USPAT                        | OR               | OFF     | 2004/11/12 14:50 |
| S13   | 5    | ("6178205").URPN.  | USPAT                        | OR               | OFF     | 2004/11/12 14:51 |
| S14   | 528  | (noise artifact artefact distort) same image same video same (size or scale)and (mosquito block\$4)  | USPAT                        | OR               | ON      | 2004/11/18 11:26 |
| S15   | 275  | (noise artifact artefact distort) same image same video same (size or scale)and (mosquito block\$4)and motion                                  | USPAT                        | OR               | ON      | 2004/11/14 13:05 |
| S17   | 117  | (noise artifact artefact distort) same image same video same (size or scale)same (reduc\$ remov\$ eliminat\$)and (mosquito block\$4)and motion | USPAT                        | OR               | ON      | 2004/11/15 15:52 |

## EAST Search History

|     |      |   |                              |    |     |                  |
|-----|------|---|------------------------------|----|-----|------------------|
| S18 | 61   | (noise artifact artefact distort)<br>same image same video same<br>(scale)same (reduc\$ remov\$<br>eliminat\$)and (mosquito<br>block\$4)and motion  | USPAT                        | OR | ON  | 2004/11/15 16:15 |
| S19 | 16   | (noise artifact artefact distort)<br>same image same video same<br>(scal\$)same (factor<br>coefficient)same(reduc\$ remov\$<br>eliminat\$)and (mosquito<br>block\$4)and motion                | USPAT                        | OR | ON  | 2004/11/15 18:00 |
| S20 | 6    | "5757976".pn. "5819035".pn.<br>"5850294".pn. "5852475".pn.<br>"5877813".pn. "5920356".pn.   | USPAT                        | OR | ON  | 2004/11/15 16:31 |
| S21 | 6    | ("2817265"   "2834832"  <br>"3118971").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/15 16:34 |
| S22 | 4    | ("5426673").URPN.   | USPAT                        | OR | OFF | 2004/11/15 16:48 |
| S23 | 33   | (noise artifact artefact distort)<br>same image same video same<br>(scal\$)same (factor<br>coefficient)same filter\$  | USPAT                        | OR | ON  | 2004/11/15 18:01 |
| S24 | 14   | ("4292598"   "4819075"  <br>"4860091"   "5049995"  <br>"5379075"   "5420629"  <br>"5448306"   "5512948"  <br>"5541650"   "5614948"  <br>"5737033"   "5867228"  <br>"5884153"   "5926216").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/15 18:20 |
| S25 | 32   | ("5781241").URPN.   | USPAT                        | OR | OFF | 2004/11/15 19:29 |
| S26 | 1    | "4,240,106".pn.   | USPAT                        | OR | OFF | 2004/11/15 19:29 |
| S27 | 74   | (noise artifact artefact distort)<br>same scal\$4 with (factor ratio<br>siz\$) same image same video  | USPAT                        | OR | ON  | 2004/11/17 11:56 |
| S28 | 33   | (noise artifact artefact distort)<br>same scal\$4 with (factor ratio<br>siz\$) same image same video<br>same filter\$   | USPAT                        | OR | ON  | 2004/11/17 14:04 |
| S29 | 99   | (noise artifact artefact distort)<br>same scal\$4 same image same<br>video same filter\$  | USPAT                        | OR | ON  | 2004/11/17 14:52 |
| S30 | 5    | ("5122874"   "5815507"  <br>"5835672"   "5841387"  <br>"5874910").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 14:05 |
| S31 | 66   | S29 not S28   | USPAT                        | OR | ON  | 2004/11/17 15:52 |
| S32 | 1420 | 382/260-265,275.ccls.   | USPAT                        | OR | ON  | 2004/11/17 15:53 |
| S33 | 1003 | 382/260-265.ccls.   | USPAT                        | OR | ON  | 2004/11/17 15:53 |

## EAST Search History

|     |      |   |                              |    |     |                  |
|-----|------|---|------------------------------|----|-----|------------------|
| S34 | 38   | 382/260-265.ccls. and 382/298.ccls.   | USPAT                        | OR | ON  | 2004/11/17 15:53 |
| S35 | 43   | 382/260-265,275.ccls. and 382/298.ccls.   | USPAT                        | OR | ON  | 2004/12/08 16:24 |
| S36 | 13   | ("4542475"   "5212659"   "5347314"   "5471534"   "5668746"   "5742346"   "5831880"   "5928313"   "6014682"   "6034733"   "6237016"   "6243729"   "6314444").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:29 |
| S37 | 1278 | noise with filter and scale with image  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:30 |
| S38 | 243  | noise with filter and scale with image same video   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:30 |
| S39 | 106  | (noise with filter and scale with image) same video   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:37 |
| S40 | 71   | (noise with filter and scale with image) same video and motion  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:32 |
| S41 | 4    | (noise with filter and scale with image) same video same motion   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 16:32 |
| S42 | 28   | (noise with filter and scale with image) same video   | US-PGPUB                     | OR | OFF | 2004/11/17 16:37 |
| S43 | 75   | (noise with filter and scale with image) same video   | USPAT                        | OR | OFF | 2004/11/17 16:37 |

## EAST Search History

|                   |  |   |                              |    |     |                  |
|-------------------|--|---|------------------------------|----|-----|------------------|
| S44               | 131  | ("4020332"   "4367466"  <br>"4532547"   "4679040"  <br>"4688033"   "4959718"  <br>"5043714"   "5097257"  <br>"5142273"   "5155816"  <br>"5258747"   "5262854"  <br>"5307177"   "5384912"  <br>"5396567"   "5398211"  <br>"5418535"   "5432900"  <br>"5434683"   "5434957"  <br>"5467144"   "5471411"  <br>"5515077"   "5526054"  <br>"5533182"   "5546103"  <br>"5550594"   "5570296"  <br>"5577187"   "5600364"  <br>"5604514"   "5614952"  <br>"5615376"   "5619337"  <br>"5621869"   "5621906"  <br>"5625611"   "5635985"  <br>"5638501"   "5640543"  <br>"5664162"   "5694143"  <br>"5696527"   "5708764"  <br>"5719593"   "5742779"  <br>"5745095"   "5751979"  <br>"5758177"   "5761516"  <br>"5764238"   "5790136"  <br>"5790795"   "5790842"  <br>"5793445"   "5815137"  <br>"5828383"   "5831615"  <br>"5844608"   "5864345"  <br>"5867166"   "5874967"  <br>"5894300"   "5914728"  <br>"5920572"   "5923316"  <br>"5923385"   "5926647"  <br>"5940089"   "5949432"  <br>"5949439"   "5951664"  <br>"5956041"   "5959626"  <br>"5959637"   "5963201"  <br>"5963262"   "5977933"  <br>"5982459"   "5987555"  <br>"6002411"   "6005546"  <br>"6006303"   "6018803"  <br>"6023302"   "6028583"  <br>"6038031"   "6046740"  <br>"6064676"   "6078305"  <br>"6088355"   "6094226"  <br>"6098046"   "6100826"  <br>"6100899"   "6105048"  <br>"6111896"   "6115422"  <br>"6121978"   "6133901"  <br>"6151030"   "6151074"  <br>"6157415"   "6157978"  <br>"6160989"   "6169843"  <br>"6184908"   "6189064"  <br>"6199131"   "6204859"  <br>"6205260"   "6208354"  <br>"6212590"   "6229550"  <br>"6220010"   "6225200" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/17 17:15 |
| 8/9/06 4:06:55 PM | C:\Documents and Settings\W\Tucker\My Documents\EAST\Workspaces\10021039.wsp |   |                              |    |     | Page 4           |

## EAST Search History

|     |     |  |       |    |     |                  |
|-----|-----|--|-------|----|-----|------------------|
| S45 | 250 | noise same filter\$4 and scal\$4 with factor with image and video  | USPAT | OR | ON  | 2004/11/17 17:18 |
| S46 | 204 | noise same filter\$4 and scal\$4 with factor with image and video with image   | USPAT | OR | ON  | 2004/11/17 17:18 |
| S47 | 17  | noise same filter\$4 and scal\$4 with factor with image same video with image  | USPAT | OR | ON  | 2004/11/17 17:39 |
| S48 | 288 | filter\$4 with (tap\$3 coefficient\$2) same noise same scal\$4   | USPAT | OR | ON  | 2004/11/17 17:40 |
| S49 | 83  | filter\$4 with (tap\$3 coefficient\$2) same noise same scal\$4 and video   | USPAT | OR | ON  | 2004/11/17 18:14 |
| S50 | 22  | filter\$4 with (tap\$3 coefficient\$2) same noise same scal\$4 and video and 382/???.ccls.                           | USPAT | OR | ON  | 2004/11/17 18:14 |
| S51 | 2   | ("5731836").URPN.  | USPAT | OR | OFF | 2004/11/17 18:31 |
| S52 | 23  | ((noise artifact artefact distort)and scale and video).ab.   | USPAT | OR | ON  | 2004/11/18 11:27 |
| S53 | 5   | ("5570135").URPN.  | USPAT | OR | OFF | 2004/11/18 16:22 |
| S54 | 1   | "6348929".pn.  | USPAT | OR | OFF | 2004/11/22 14:23 |
| S55 | 236 | (preserv\$4 or enhanc\$4) with (sharp\$5 or edge)with (enlarg\$4 or scale\$4)  | USPAT | OR | OFF | 2004/11/18 16:30 |
| S56 | 35  | (preserv\$4 or enhanc\$4) with (sharp\$5 or edge)with (enlarg\$4 or scale\$4)same noise                              | USPAT | OR | ON  | 2004/11/18 16:38 |
| S57 | 4   | (preserv\$4 or enhanc\$4) with (sharp\$5 or edge)with (enlarg\$4 or scale\$4)same noise same (filter\$4 or smoth\$4) | USPAT | OR | ON  | 2004/11/18 16:43 |
| S58 | 34  | (preserv\$4 or enhanc\$4) with (sharp\$5 or edge)with (enlarg\$4 or scale\$4)same (filter\$4 or smoth\$4)            | USPAT | OR | ON  | 2004/11/18 17:45 |
| S59 | 69  | (preserv\$4 or enhanc\$4) with (sharp\$5 or edge)with (enlarg\$4 or scale\$4)same (filter\$4 or smooth\$4)           | USPAT | OR | ON  | 2004/11/18 17:45 |
| S60 | 12  | ("6348929").URPN.  | USPAT | OR | OFF | 2004/11/18 17:47 |
| S61 | 5   | S60 and filter   | USPAT | OR | OFF | 2004/11/18 17:51 |
| S62 | 376 | 345/660.ccls.  | USPAT | OR | OFF | 2004/11/18 17:52 |
| S63 | 7   | 345/660.ccls. and filter with noise  | USPAT | OR | OFF | 2004/11/18 17:56 |
| S64 | 9   | 345/660.ccls. and filter\$4 same noise   | USPAT | OR | ON  | 2004/11/18 17:57 |

## EAST Search History

|     |      |   |                              |    |     |                  |
|-----|------|---|------------------------------|----|-----|------------------|
| S65 | 2    | S64 not S63   | USPAT                        | OR | ON  | 2004/11/18 17:57 |
| S66 | 3084 | (noise artifact artefact distort)<br>same scal\$4 same filter\$4  | USPAT                        | OR | ON  | 2004/11/19 11:53 |
| S67 | 631  | (noise artifact artefact distort)<br>same scal\$4 same filter\$4 same<br>image  | USPAT                        | OR | ON  | 2004/11/19 12:02 |
| S68 | 69   | (noise artifact artefact distort)<br>same scal\$4 same filter\$4 same<br>(tap\$ coefficient\$) same image   | USPAT                        | OR | ON  | 2004/11/19 14:34 |
| S69 | 13   | ("5475438"   "5625421"  <br>"5712687"   "5793435"  <br>"5929918"   "5943099"  <br>"6016164"   "6118488"  <br>"6118489"   "6141056"  <br>"6151363"   "6201577"  <br>"6414719").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/19 12:16 |
| S70 | 2145 | (noise artifact artefact<br>distort)same filter\$4 same (scal\$4<br>enlarg\$ reduc\$) with image  | USPAT                        | OR | ON  | 2004/11/19 14:37 |
| S71 | 150  | (noise artifact artefact<br>distort)same filter\$4 with<br>(coefficient\$ tap)same (scal\$4<br>enlarg\$ reduc\$) with image   | USPAT                        | OR | ON  | 2004/11/19 14:38 |
| S72 | 140  | (noise artifact artefact<br>distort)same filter\$4 with<br>(coefficient\$ tap)same (scal\$4<br>enlarg\$ reduc\$) with image not<br>watermark                                      | USPAT                        | OR | ON  | 2004/11/19 16:42 |
| S73 | 1    | "5948040".pn.   | USPAT                        | OR | ON  | 2004/11/19 16:44 |
| S74 | 2    | "6343738".pn. "6583799".pn.   | USPAT                        | OR | ON  | 2004/11/19 16:44 |
| S75 | 8    | "imura koji".in.  | USPAT                        | OR | ON  | 2004/11/22 12:45 |
| S76 | 1973 | resolution same noise same filter   | USPAT                        | OR | OFF | 2004/11/22 14:24 |
| S77 | 150  | resolution same noise same filter<br>same (coefficient tap)   | USPAT                        | OR | ON  | 2004/11/22 14:27 |
| S78 | 0    | 382/260-265,275.ccls. and<br>382/298.ccls. and noise same<br>motion same sum same threshold   | USPAT                        | OR | ON  | 2004/12/08 16:27 |
| S79 | 35   | noise same motion same sum<br>same threshold  | USPAT                        | OR | ON  | 2004/12/09 16:56 |
| S80 | 1    | "5,317,398".pn.   | USPAT                        | OR | ON  | 2004/12/08 16:40 |
| S81 | 2    | "5610729".pn. "5973740".pn.   | USPAT                        | OR | ON  | 2004/12/09 16:56 |
| S82 | 1    | "6453068".pn.   | USPAT                        | OR | ON  | 2004/12/10 16:54 |
| S83 | 677  | display same size same noise  | USPAT                        | OR | ON  | 2004/12/12 15:12 |
| S84 | 97   | display same size same noise<br>same video  | USPAT                        | OR | ON  | 2004/12/12 15:16 |

## EAST Search History

|     |       |   |               |    |    |                  |
|-----|-------|---|---------------|----|----|------------------|
| S85 | 13    | display same size same noise<br>same video and 382/???.ccls.  | USPAT         | OR | ON | 2004/12/12 15:16 |
| S86 | 663   | 348/241,452,451.ccls.   | USPAT         | OR | ON | 2004/12/20 13:12 |
| S87 | 36    | 348/241,452,451.ccls. and scal\$4<br>same noise   | USPAT         | OR | ON | 2004/12/20 13:17 |
| S88 | 51    | 348/241,452,451,701,700.ccls.<br>and scal\$4 same noise   | USPAT         | OR | ON | 2004/12/20 14:37 |
| S89 | 0     | EP0592196   | USPAT;<br>EPO | OR | ON | 2004/12/20 14:38 |
| S90 | 1     | "6178205".pn.   | USPAT         | OR | ON | 2005/08/26 13:19 |
| S91 | 1     | "6083168".pn.   | USPAT         | OR | ON | 2005/08/26 13:19 |
| S92 | 1     | "6083168".pn.   | USPAT         | OR | ON | 2006/03/10 17:46 |
| S93 | 13067 | motion same noise   | USPAT         | OR | ON | 2006/03/10 17:49 |
| S94 | 1210  | motion same noise and noise with<br>random  | USPAT         | OR | ON | 2006/03/10 17:50 |
| S95 | 273   | motion with detect\$ same noise<br>and noise with random  | USPAT         | OR | ON | 2006/03/10 17:51 |
| S96 | 11    | motion with detect\$ same noise<br>and noise with random and sum<br>with absolute with difference\$               | USPAT         | OR | ON | 2006/03/10 18:05 |
| S97 | 273   | motion with detect\$ same noise<br>and noise with random  | USPAT         | OR | ON | 2006/03/10 18:05 |
| S98 | 117   | motion with detect\$ same noise<br>with (reduc\$ remov\$ decreas\$)<br>and noise with random                      | USPAT         | OR | ON | 2006/03/10 18:08 |
| S99 | 14    | 382/???.ccls. and motion with<br>detect\$ same noise with (reduc\$<br>remov\$ decreas\$) and noise with<br>random | USPAT         | OR | ON | 2006/03/10 18:08 |